

KEY FEATURES

Cost-effective solution, ideal for large deployments

Industry standard Windows Mobile 6.1 platform

High-sensitivity GPS receiver

Long life battery for all-day use

Lightweight and compact

AFFORDABLE ASSET MANAGEMENT SOLUTION TO EQUIP THE ENTIRE FIELD WORKFORCE

The Juno® SA handheld is a durable, compact field computer with an integrated high-yield GPS receiver, ideal for asset management and inspection applications. It is the latest addition to the popular Juno family of GPS handhelds from Trimble, providing an affordable platform to arm an entire mobile workforce with a reliable and accurate professional GPS handheld incorporating the industry standard Windows Mobile® 6.1 platform.

Value for large deployments

The Juno SA handheld is an economical solution, ideally suited to organizations that are looking to equip their entire field workforce—while managing strict budgets.

With a 533 MHz processor, 128 MB RAM, a 3.5 inch display, and support for 10 languages, the Juno SA handheld, while being economical, is a powerful and versatile field tool.

The long life battery of the Juno SA handheld allows GPS data collection for a full working day, without the need for recharging. The battery is also field-replaceable, making the Juno SA handheld well suited for remote workers who are away from a power source for extended periods.

Never worry about running out of memory in the field with the Juno SA handheld's microSD card slot. Compatibility with high capacity microSD cards provides ample storage for large applications, data and raster background maps, or even entire projects.

Reliable, accurate GPS

In applications such as natural resource data collection and public works asset inspection where high productivity is critical, the Juno SA handheld is ideal. Incorporating a high-sensitivity GPS receiver, it has been specifically designed to maximize yield of positions in difficult environments such as under forest canopy and up against buildings.

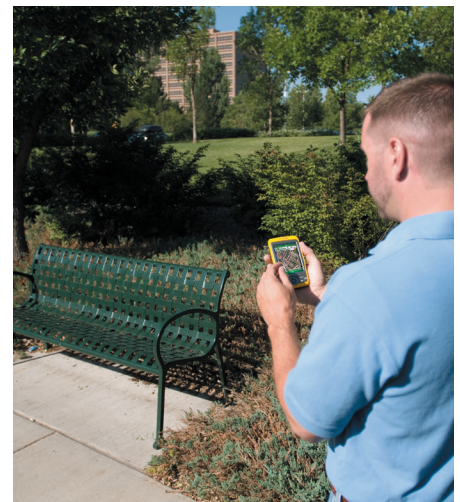
The Juno SA handheld can achieve 2 to 5 meter positional accuracy in real time with its integrated SBAS receiver. When higher accuracy is required to meet company or regulatory standards, the field data collected with the Juno SA handheld can be postprocessed with the Trimble® DeltaPhase™ technology to achieve 1 to 3 meter^s accuracy.

An industry standard platform

As part of the Trimble family of field data collection solutions, the Juno SA handheld

is fully compatible with the entire range of Trimble Mapping & GIS software, a portfolio of field-proven software solutions for professional GIS data collection and maintenance. As a result, organizations can easily deploy the Juno SA handheld alongside current Trimble equipment while maintaining the same workflows and policies through a consistent set of data collection and maintenance applications.

The Juno SA handheld's Windows Mobile 6.1 operating system is compatible with most off-the-shelf mobile software and provides a common, open, and versatile industry standard platform for application development.



The lightweight heavyweight

The Juno SA handheld is one tool the mobile workforce can't afford to be without—a durable, lightweight field computer that delivers reliable, accurate GPS for data collection and asset management.

The Juno SA handheld is available for sale in selected regions only, contact your local Trimble reseller to confirm availability.



JUNO SA HANDHELD

STANDARD FEATURES

System

- Windows Mobile 6.1 in Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, or Spanish
- 533 MHz Samsung processor
- 128 MB RAM
- 128 MB non-volatile Flash data storage
- microSD (microSDHC compatible) memory card slot
- QVGA display (240 x 320), sunlight-readable color touch screen
- All-day internally rechargeable and removable Li-Ion battery
- Integrated speaker and microphone
- Audio jack

GPS

- Extended high-sensitivity GPS/SBAS¹ receiver and antenna
 - 2 to 5 meter accuracy after real-time differential correction
 - 1 to 3 meter² accuracy after postprocessing
- NMEA and SiRF protocol support

Standard Software

- Adobe Reader
- Transcriber (handwriting recognition)

Standard Accessories

- USB data cable²
- Stylus
- Rechargeable Li-ion battery

OPTIONAL FEATURES

Optional Software

- Trimble TerraSync™ software
- Trimble GPS Pathfinder Office software
- Trimble Positions™ software suite
- Trimble GPSCorrect™ extension for Esri ArcPad software
- Trimble GPS Analyst™ extension for Esri ArcGIS for Desktop software
- Custom applications built with Mobile GIS Developer Community software development kits (SDKs)
- GPS Controller software for controlling NMEA output and in-field mission planning

Optional Accessories

- AC Power supply with international adapter kit
- Vehicle power adapter
- Vehicle mount for windshield or dash
- External GPS patch antenna
- Protective OtterBox Defender Series case with belt clip
- Anti-glare screen protectors (2-pack)
- Clear screen protectors (2-pack)
- Replacement Li-Ion battery
- Replacement Stylus (2-pack)

TECHNICAL SPECIFICATIONS

Physical

Size	12.9 cm x 7.4 cm x 3.0 cm (5.1 in x 2.9 in x 1.2 in)
Weight	0.23 kg (0.52 lb) with battery
Processor	533 MHz Samsung S3C2443 processor
Memory	128 MB RAM and 128 MB internal Flash storage
Battery	Internal 2600 mAh lithium-ion, rechargeable in unit
Power	
Low (no GPS, backlight ON ³)	14 hours
Normal (with GPS and backlight ON)	8 hours

Environmental

Temperature	
Operating	0 °C to +60 °C (32 °F to 140 °F)
Storage	-20 °C to +70 °C (-4 °F to 158 °F)
Drop	76 cm (2.5 ft) drop
2 drops per 6 sides at ambient temperature	23 °C (73 °F)
Tumble	50 cycles (100 drops) x 50 cm (1.64 ft), 5 cycles/minute
Casing	IP4X. Protected against small objects >1 mm

Input/output

Expansion	microSD Card slot (microSDHC compatible)
Display	8.9 cm (3.5 in) QVGA (240 x 320 pixel) TFT
16 bit (65,536) colors, LED backlight	
Interface	Touch screen, hardware control keys, power status LED
Audio system events, warnings, and notifications	
Soft Input Panel (SIP) virtual keyboard	
and handwriting recognition software	
Audio	Microphone and speaker, record and playback utilities
Industry-standard 3.5 mm stereo earphone jack	

I/O	USB client v2.0 compliant
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GPS

Channels	12 (L1 code only)
Integrated real-time	SBAS ¹
Update rate	1 Hz
Time to first fix	30 seconds (typical)
Protocols	SiRF, NMEA-0183

Accuracy (HRMS)⁴ after differential correction

Code Postprocessed	1–3 m ⁵
Real-time (SBAS ¹)	2–5 m

¹ SBAS (Satellite Based Augmentation System). Includes WAAS (Wide Area Augmentation System) available in North America only, EGNOS (European Geostationary Navigation Overlay System) available in Europe only, and MSAS available in Japan only.

² The USB cable is used to charge the battery from a personal computer. If a personal computer is not available for charging the Juno SA, the optional AC adaptor should be purchased.

³ Backlight setting at 70% brightness.

⁴ Horizontal Root Mean Squared accuracy. Requires data to be collected using vertical mounting, minimum of 4 satellites, PDOP mask at 99, SNR mask at 12 dBHz, elevation mask at 5 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing and real-time.

⁵ Requires Trimble DeltaPhase technology, as supported in Trimble GPS Pathfinder Office software version 4.20 and later, or Trimble Positions Desktop add-in 10.1.0, or Trimble GPS Analyst Extension for Esri ArcGIS for Desktop software, version 2.20 and later.

Specifications subject to change without notice.

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